

UTSA Bachelor of Science in Computer Science
Cyber Operations Track – Sample Four Year Plan
2018-2020 Catalog

FALL

SPRING

FIRST YEAR

MAT 1214*	Calculus I	4	MAT 1224	Calculus II	4
CS 1083	Prog. I for Comp. Scis.	3	CS 1713/1711	Intro to Prog II/Rec.	3/1
AIS 1203	Academic Inquiry and Scholarship	3	WRC 1023	Freshman Comp II (Q)	3
WRC 1013	Freshman Comp I (Q)	3	CORE	Life & Physical Sciences	3
CORE	Life & Physical Sciences	3			
TOTAL		16	TOTAL		14

SECOND YEAR

CS 2123/2121	Data Structures/Rec.	3/1	CS 3113	Principles Cyber Security	3
CS 2233	Discrete Math	3	CS 3423/3421	Systems Prog/Rec.	3/1
CS 3333	Math Foundations	3	CS 3443	Application Programming	3
CORE	Lang, Philosophy, & Cult.	3	CS 3843/3841	Computer Org/Rec.	3/1
CORE	Social & Behavioral Sciences	3			
TOTAL		16	TOTAL		14

THIRD YEAR

CS 3343	Analysis of Alg.	3	CS 3723	Programming Lang	3
CS 3433	Comp and Info Security	3	CS 4353	Unix and Network Sec.	3
CS 3733	Operating System	3	CS 3743	Database Systems	3
CS 3873	Computer Networks	3	CS 4363	Cryptography	3
CORE	American History	3	CORE	American History	3
TOTAL		15	TOTAL		15

FOURTH YEAR

CS 4653	Soft/Malware Reverse Eng.	3	CS 4883**	Sec. Software Dev. Analysis	3
CS 4663	Dist. and Cloud Sys. Security	3	CS 4673	Cyber Operations	3
CS 4643	Cellular and Mobile Tech.	3	CS 3xx3/4xx3***	Cyber Security Elective	3
CORE	Creative Arts	3	CORE	Component Area Option	3
POL 1013	Introduction to American Politics	3	CORE	Government-Political Sci.	3
TOTAL		15	TOTAL		15

*MAT 1214 may be used to satisfy the core requirement in Mathematics as well as a major requirement

**Cross-listed with IS 4883

***Must be approved by CS Department.